

PACKAGED ROOFTOP UNIT SCHEDULE (SUMMARY) (RTU) - PHASE 1

REFER TO "PACKAGED ROOFTOP UNIT COMPONENT SCHEDULES" FOR ADDITIONAL INFORMATION

NOTES:

1.OPERATING WEIGHT INCLUDES UNIT, CURB, ACCESSORIES AND UNIT MOUNTED POWER EXHAUST, DUCT MOUNTED ACCESSORIES AND EQUIPMENT ARE NOT INCLUDED. CONTRACTOR IS RESPONSIBLE FOR ALL CHANGES REQUIRED DUE TO ROOFTOP UNIT HEAVIER THAN THE BASIS OF DESIGN AT NO...

TAG NAME	SERVICE	TYPE	FAN 1		OUTSIDE AIR	REFRIGERATION			FUEL CFH-DESIGN	FILTER 1	ELECTRICAL				MAXIMUM DIMENSIONS			WEIGHT LBS	MANUFACTURER	MODEL	NOTES	
			SERVICE	DESIGN	MAX	TYPE	CHARGE LBS	400			MERV 8	VOLT S	PH	MCA	MOCP	WIDTH	HEIGHT	DEPTH				DRY
RTU-2	185 NSP	ROOFTOP BOTTOM DISCHARGE	SUPPLY	4,862	1,041	R-454B	12.9	400		MERV 8	460		PH	MCA	MOCP	WIDTH	HEIGHT	DEPTH	2,602 lbf	TRANE	YSK180A4SOH	1
RTU-3	195 RTO AND HUDDLE	ROOFTOP BOTTOM DISCHARGE	SUPPLY	7,590	1,407	R-454B	14.6	400		MERV 8	460	3	55	70	7'-2 3/4"	4'-10 1/4"	10'-3 1/4"	2,702 lbf	TRANE	YSK240A4SOH	1	
RTU-5	BREAK AREA AND OPEN CORRIDORS	ROOFTOP SIDE DISCHARGE	SUPPLY	11,650	1,774	R-454B	33.4	600		MERV 8	460	3	81	100	7'-6"	5'-10 1/2"	17'-3 13/128"	5,714 lbf	TRANE	YCH360D4H6 B1CH6A0	1	
RTU-7	IT-LIBRARY	ROOFTOP SIDE DISCHARGE	SUPPLY	2,600	448	R-454B	9.2	150		MERV 8	460	3	24	35	4'-5 1/4"	4'-4 115/128"	7'-4 179/256"	1,239 lbf	TRANE	YZK090A4SBL	1	

SPLIT SYSTEM INDOOR UNIT SCHEDULE (SS) - PHASE 1

TAG NAME	SERVICE	ARRANGEMENT	ASSOC OUTDOOR UNIT	CFM DESIGN	REFRIGERANT		COOLING TOTAL MBH	HEATING TOTAL MBH	ELECTRICAL				FILTER	WEIGHT LBS	MANUFACTURER	MODEL	NOTES
					TYPE	CHARGE LBS			VOLTS	PH	MCA	MOCP					
FCU-1	HUMAN RESOURCES	VERTICAL	CD-1	1,550	R-454B	5.9	41	100	460	3	14	15	8	224 lbf	TRANE	5TXC+S9X1C	TO BE PLACED ON TOP OF LABOR SAVOR BOX.
FCU-2	RECEPTION	VERTICAL	CD-2	1,635	R-454B	5.9	41	100	460	3	14	15	8	224 lbf	TRANE	5TXC+S9X1C	TO BE PLACED ON TOP OF LABOR SAVOR BOX.
MS-E1	197.1- ELECTRICAL	DUCTLESS SPLIT	CU-E1	765	R-454B	3	34	0	208	1	1	15	MICROPAR TICLE	37 lbf	mitsubishi	MSY-GX36NL	POWERED BY OUTDOOR UNIT.
MS-EST1	172 - EAST STAIRS	DUCTLESS SPLIT	CU-EST1	765	R-454B	3	30	34	208	1	1	15	MICROPAR TICLE	37 lbf	mitsubishi	MSZ-GX36NL	POWERED BY OUTDOOR UNIT.
MS-S1	175 - SERVER ROOM	DUCTLESS SPLIT	CU-S1	765	R-454B	3	34	0	208	1	1	15	MICROPAR TICLE	37 lbf	mitsubishi	MSY-GX36NL	POWERED BY OUTDOOR UNIT.
MS-SST1	184 - SOUTH STAIRS	DUCTLESS SPLIT	CU-SST1	765	R-454B	3	30	34	208	1	1	15	MICROPAR TICLE	37 lbf	mitsubishi	MSZ-GX36NL	POWERED BY OUTDOOR UNIT.

CONDENSING UNIT SCHEDULE - COOLING (CU) - PHASE 1

NOTES:

1.

TAG NAME	ASSOC. INDOOR UNIT	REFRIGERANT	CHARGE LBS	ELECTRICAL				MAXIMUM DIMENSIONS				WEIGHT LBS	MANUFACTURER	MODEL	NOTES
				VOLTS	PH	MCA-	MOCP	WIDTH	HEIGHT	DEPTH	OPERATING				
CD-2	FCU-2	R-454B	5.1	460	3	8	15	2'-8 1/2"	3'-1 51/256"	2'-5 3/4"	212 lbf		TRANE	5TTA4042A4	
CD-1	FCU-1	R-454B	5.1	460	3	8	15	2'-8 1/2"	3'-1 51/256"	2'-5 3/4"	212 lbf		TRANE	5TTA4042A4	
CU-SST1	MS-SST1	R-454B	3	208	1	23	25	2'-9"	34'-6"	1'-1"	116 lbf		mitsubishi	MUZ-GX36NL	
CU-S1	MS-S1	R-454B	3	208	1	23	40	2'-9"	34'-6"	1'-1"	116 lbf		mitsubishi	RZA36AAVJU	
CU-EST1	MS-EST1	R-454B	3	208	1	23	25	2'-9"	34'-6"	1'-1"	116 lbf		mitsubishi	MUZ-GX36NL	
CU-E1	MS-S1	R-454B	3	208	1	23	40	2'-9"	34'-6"	1'-1"	116 lbf		mitsubishi	RZA36AAVJU	

AIR TERMINAL SCHEDULE (EG, RG, SD, etc.)

NOTES:

1.REFER TO DRAWINGS FOR NECK SIZE. ALL BRANCH DUCTWORK TO AIR TERMINALS SHALL BE NECK SIZE UNLESS NOTED OTHERWISE.

2.REFER TO DRAWINGS FOR FACE SIZES NOTED AS <varies>

3.CONTRACTOR SHALL DETERMINE PROPER BORDER TYPE TO MATCH CEILING CONSTRUCTION

4.DIFFUSERS WITH MULTIPLE SLOTS SHALL HAVE THE INNER MOST SLOT DIRECTED TOWARDS THE INTERIOR OF THE BUILDING. THE REMAINING SHALL BE DIRECTED TOWARDS THE EXTERIOR UNLESS NOTED OTHERWISE.

TAG NAME	TYPE	MATERIAL	FINISH	FACE SIZE (NOTE 1,2)			BORDER (NOTE 3)	LINEAR SLOTS SLOTS (NOTE 4)		VOLUME DAMPER	MANUFACTURER	MODEL	NOTES
				LENGTH ~	WIDTH	HEIGHT		WIDTH	QTY				
CD-1	CONES	ALUMINUM	WHITE	0"	24"	24"	LAY-IN	0"	0	No	TITUS	TMS-AA	
EG-1	35 DEGREE DEFLECTION	ALUMINUM	WHITE	0"	12"	12"	SURFACE MOUNT	0"	0	No	TITUS	350	LONG BLADES
EG-1	35 DEGREE DEFLECTION	ALUMINUM	WHITE	0"	24"	12"	SURFACE MOUNT	0"	0	No	TITUS	350	LONG BLADES
LD-1		STEEL	WHITE	24"	2"	0"	SURFACE MOUNT	1"	1	Yes	TITUS	TBD	
LD-2		STEEL	WHITE	24"	2"	0"	SURFACE MOUNT	1"	1	Yes	TITUS	TBD	
LD-3		STEEL	WHITE	24"	2 1/2"	0"	SURFACE MOUNT	1 1/2"	1	Yes	TITUS	TBD	
LD-4		STEEL	WHITE	24"	2 1/2"	0"	SURFACE MOUNT	1 1/2"	1	Yes	TITUS	TBD	
LD-7		STEEL	WHITE	48"	5 1/4"	0"	SURFACE MOUNT	1 1/2"	2	Yes	TITUS	TBD	
LD-8		STEEL	WHITE	48"	5 1/4"	0"	SURFACE MOUNT	1 1/2"	2	Yes	TITUS	TBD	
RG-1	35 DEGREE DEFLECTION	ALUMINUM	WHITE	0"	18"	18"	SURFACE MOUNT	0"	0	Yes	TITUS	350	LONG BLADES
RG-2	35 DEGREE DEFLECTION	ALUMINUM	WHITE	0"	12"	8"	SURFACE MOUNT	0"	0	No	TITUS	350	LONG BLADES
RG-2	35 DEGREE DEFLECTION	ALUMINUM	WHITE	0"	16"	16"	SURFACE MOUNT	0"	0	No	TITUS	350	LONG BLADES
RG-2	35 DEGREE DEFLECTION	ALUMINUM	WHITE	0"	24"	12"	SURFACE MOUNT	0"	0	No	TITUS	350	LONG BLADES
RG-2	35 DEGREE DEFLECTION	ALUMINUM	WHITE	0"	34"	34"	SURFACE MOUNT	0"	0	No	TITUS	350	LONG BLADES
RG-2	35 DEGREE DEFLECTION	ALUMINUM	WHITE	0"	48"	30"	SURFACE MOUNT	0"	0	No	TITUS	350	LONG BLADES
RG-3	PERFORATED FACE	STEEL	WHITE	0"	12"	12"	LAY-IN			No	TITUS	PAR	DUCTED RETURN
RG-4	PERFORATED FACE	STEEL	WHITE	0"	24"	24"	LAY-IN	0"	0	No	TITUS	PAR	DUCTED RETURN
SD-1	LOUVER FACE	STEEL	WHITE	0"	0"	0"	SURFACE MOUNTED	0"	0	No	TITUS	TMRA	
SD-2	PLAQUE	ALUMINUM	WHITE	0"	12"	12"	LAY-IN			No	TITUS	OMNI	ALL NON-FERROUS CONSTRUCTION FOR MRI OR DAMP LOCATION
SD-3	PLAQUE	ALUMINUM	WHITE	0"	24"	24"	LAY-IN			No	TITUS	OMNI	ALL NON-FERROUS CONSTRUCTION FOR MRI OR DAMP LOCATION
SD-4	DOUBLE DEFLECTION (STEEL)	[ALUMINUM]	WHITE	0"	10"	6"	SURFACE MOUNT	0"	0	No	TITUS	300	LONG FRONT BLADES
SJ-1	EYEBALL NOZZLE DIFFUSER	ALUMINUM	WHITE	0"	0"	0"	DUCT MOUNT	0"	0	Yes	TITUS	TND-AA	PROVIDE WITH OPTIONAL RING MOUNT FOR DUCT ATTACHMENT. PROVIDE WITH MANUFACTURERS VOLUME DAMPER. PROVIDE WITH MANUFACTURERS SIZE 6 4 NOZZLE.
SJ-2	EYEBALL NOZZLE DIFFUSER	ALUMINUM	WHITE	0"	0"	0"	DUCT MOUNT	0"	0	Yes	TITUS	TND-AA	PROVIDE WITH OPTIONAL RING MOUNT FOR DUCT ATTACHMENT. PROVIDE WITH MANUFACTURERS VOLUME DAMPER. PROVIDE WITH MANUFACTURERS SIZE 6 1 NOZZLE.
SR-1	DOUBLE DEFLECTION	ALUMINUM	WHITE	0"	0"	0"		0"	0	Yes	PRICE	SDGER Series	
SR-2	DOUBLE DEFLECTION	ALUMINUM	WHITE	0"	0"	0"		0"	0	Yes	PRICE	SDGER Series	
SR-3	DOUBLE DEFLECTION	ALUMINUM	WHITE	0"	0"	0"		0"	0	Yes	PRICE	SDGER Series	

FAN SCHEDULE (EF, RF, SF, etc.) - PHASE 1

NOTES:

1.

TAG NAME	ARRANGEMENT	CFM DESIGN	TOTAL S.P. IN. WC	DRIVE	RPM	MOTOR BHP [E]	DAMPER TYPE	ELECTRIC AL		MAXIMUM DIMENSIONS			WEIGHT LBS DRY	MANUFACTURER	MODEL	NOTES
								VOLTS	PH	WIDTH	HEIGHT	DEPTH				
EF-1	CEILING MOUNT	75	0.44	DIRECT	650	0.04	BACKDRAFT	115	1	1'-2"	7"	1'-0"	10 lbf	GREENHECK	SP-B110ES	
EF-2	CEILING MOUNT	125	0.13	DIRECT	1100	0.01	BACKDRAFT	115	1	1'-1"	9"	11"	24 lbf	GREENHECK	SPA125	
EF-5	ROOF MOUNTED TOP DISCHARGE	2,200	0.26	DIRECT	682	0.23	BACKDRAFT	460	3	3'-0"	3'-4"	0"	113 lbf	GREENHECK	GB-180	

TERMINAL AIR BOX SCHEDULE - ELECTRIC REHEAT (TAB) - Phase 1

NOTES:

1.NEITHER RADIATED NOR DISCHARGE SOUND LEVELS SHALL EXCEED NC 35 AT 1.5' INLET STATIC PRESSURE WHEN TESTED PER AHRI STANDARD 885-2008 USING 5/8" 20-LB DENSITY MINERAL FIBER CEILING TILE.

2.TOTAL AIR PRESSURE DROP OF TAB AND REHEAT COIL SHALL NOT EXCEED 0.50" WC.

3. SUPPLY WITH ECM MOTORS.

4. WEIGHT PROVIDED ARE FROM SPECIFICATION WITH SUPPLIED ATTENUATORS. WEIGHT COULD GO UP OR DOWN DEPENDING ON ACCESSORIES PROVIDED. WORK WITH TRANE REP FOR FINAL SELECTION.

SELECTION ...														WEIGHT LBS			
TAG NAME	SERVICE	INLET		COOLING	HEATING	MOTOR HP	ELECTRIC ELEMENT				ELECTRICAL				DRY	MANUFACTURER	MODEL
		DIA	MAX	CFM	CFM		EAT	LAT	TOTAL KW	KW (QTY * KW)	VOLTS	PH	FLA-				
														DB °F			
VAV 1-1	NSP 185	12"	1,629	600	1	55	90	1	11.5	480	3	15.6	223 lbf	TRANE	VPEG-12-04SQ-115KW		
VAV 1-2	NSP 185	12"	1,613	600	1	55	90	1	11.5	480	3	15.6	223 lbf	TRANE	VPEG-12-04SQ-115KW		
VAV 1-3	NSP 185	12"	1,200	600	1	55	90	1	11.5	480	3	15.6	223 lbf	TRANE	VPEG-12-04SQ-115KW		
VAV 1-4	1ST FLOOR HUDDLE/OFFICES	10"	1,135	420	0.33	55	90	1	4	480	3	5.6	145 lbf	TRANE	VSEG-10-02SQ-040KW		
VAV 1-5	1ST FLOOR HUDDLE/ OFFICES	8"	459	150	0.33	55	90	1	1.5	480	3	2.6	145 lbf	TRANE	VSEGS-6-02Q-015W		
VAV 1-6	RTO 193	12"	1,560	600	1	55	90	1	11.5	480	3	15.6	223 lbf	TRANE	VPEG-12-04SQ-115KW		
VAV 1-7	RTO 193	12"	1,769	600	1	55	90	1	11.5	480	3	15.6	223 lbf	TRANE	VPEG-12-04SQ-115KW		
VAV 1-8	STORAGE 195, PRINT 194, MECH	10"	900	900	1	55	90	1	11.5	480	3	15.6	223 lbf	TRANE	VPEG-10-04SQ-115KW		
VAV 1-9	BACK 1 CONF. RM	10"	1,213	420	0.33	55	90	1	6	480	3	8	155 lbf	TRANE	VPEG-10-02SQ-060KW		
VAV 2-15	LIBRARY 232	10"	1,070	420	0.75	55	90	1	5	480	3	6.8	195 lbf	TRANE	VSEG-10-03SQ-050KW		
VAV 1-10	IT 167	10"	900	420	0.33	55	90	1	5	480	3	4.4	208 lbf	TRANE	VPEG-10-02SQ-050KW		
VAV 1-11	IT OFFICE/STORAGE	8"	620	270	0.33	55	90	1	3	480	3	7.4	145 lbf	TRANE	VSEG-8-02SQ-030KW		

UNIT HEATER SCHEDULE - ELECTRIC (UH) - PHASE 1

NOTES:

1.

TAG NAME	SERVICE	ARRANGEMENT	FAN CFM DESIGN	ELECTRIC ELEMENT		ELECTRICAL		MAXIMUM DIMENSIONS			WEIGHT LBS	MANUFACTURER	MODEL	NOTES
			TOTAL QTY	QTY KW	VOLTS	PH	WIDTH	HEIGHT	DEPTH	OPERATING				
UH-1	MECH 197.3	WALL OR CEILING MOUNT	350	1	3	208	1	1'-2"	1'-4"	7 1/2"	27 lbs	BERKO	HUHA320	COORDINATE WITH ARCHITECT IF UNIT HEATER IS TO BE CEILING HUNG OR WALL MOUNTED. CONTRACTOR TO CONFIRM IF B10 MOUNTING BRACKET IS REQUIRED.
UH-1	MECH 197.3	WALL OR CEILING MOUNT	350	1	3	208	1	1'-2"	1'-4"	7 1/2"	27 lbs	BERKO	HUHA320	COORDINATE WITH ARCHITECT IF UNIT HEATER IS TO BE CEILING HUNG OR WALL MOUNTED. CONTRACTOR TO CONFIRM IF B10 MOUNTING BRACKET IS REQUIRED.
UH-2	STORAGE 237	WALL OR CEILING MOUNT	350	1	3	208	1	1'-2"	1'-4"	7 1/2"	27 lbs	BERKO	HUHA320	COORDINATE WITH ARCHITECT IF UNIT HEATER IS TO BE CEILING HUNG OR WALL MOUNTED. CONTRACTOR TO CONFIRM IF B10 MOUNTING BRACKET IS REQUIRED.
UH-3	STORAGE 237	WALL OR CEILING MOUNT	350	1	3	208	1	1'-2"	1'-4"	7 1/2"	27 lbs	BERKO	HUHA320	COORDINATE WITH ARCHITECT IF UNIT HEATER IS TO BE CEILING HUNG OR WALL MOUNTED. CONTRACTOR TO CONFIRM IF B10 MOUNTING BRACKET IS REQUIRED.
UH-4	STORAGE 237	WALL OR CEILING MOUNT	350	1	3	208	1	1'-2"	1'-4"	7 1/2"	27 lbs	BERKO	HUHA320	COORDINATE WITH ARCHITECT IF UNIT HEATER IS TO BE CEILING HUNG OR WALL MOUNTED. CONTRACTOR TO CONFIRM IF B10 MOUNTING BRACKET IS REQUIRED.
UH-5	STORAGE 237	WALL OR CEILING MOUNT	350	1	3	208	1	1'-2"	1'-4"	7 1/2"	27 lbs	BERKO	HUHA320	COORDINATE WITH ARCHITECT IF UNIT HEATER IS TO BE CEILING HUNG OR WALL MOUNTED. CONTRACTOR TO CONFIRM IF B10 MOUNTING BRACKET IS REQUIRED.
UH-6	STORAGE 237	WALL OR CEILING MOUNT	350	1	3	208	1	1'-2"	1'-4"	7 1/2"	27 lbs	BERKO	HUHA320	COORDINATE WITH ARCHITECT IF UNIT HEATER IS TO BE CEILING HUNG OR WALL MOUNTED. CONTRACTOR TO CONFIRM IF B10 MOUNTING BRACKET IS REQUIRED.
UH-7	STORAGE 237	WALL OR CEILING MOUNT	350	1	3	208	1	1'-2"	1'-4"	7 1/2"	27 lbs	BERKO	HUHA320	COORDINATE WITH ARCHITECT IF UNIT HEATER IS TO BE CEILING HUNG OR WALL MOUNTED. CONTRACTOR TO CONFIRM IF B10 MOUNTING BRACKET IS REQUIRED.
UH-8	STORAGE 237	WALL OR CEILING MOUNT	350	1	3	208	1	1'-2"	1'-4"	7 1/2"	27 lbs	BERKO	HUHA320	COORDINATE WITH ARCHITECT IF UNIT HEATER IS TO BE CEILING HUNG OR WALL MOUNTED. CONTRACTOR TO CONFIRM IF B10 MOUNTING BRACKET IS REQUIRED.
UH-9	STORAGE 237	WALL OR CEILING MOUNT	350	1	3	208	1	1'-2"	1'-4"	7 1/2"	27 lbs	BERKO	HUHA320	COORDINATE WITH ARCHITECT IF UNIT HEATER IS TO BE CEILING HUNG OR WALL MOUNTED. CONTRACTOR TO CONFIRM IF B10 MOUNTING BRACKET IS REQUIRED.
UH-10	STORAGE 237	WALL OR CEILING MOUNT	350	1	3	208	1	1'-2"	1'-4"	7 1/2"	27 lbs	BERKO	HUHA320	COORDINATE WITH ARCHITECT IF UNIT HEATER IS TO BE CEILING HUNG OR WALL MOUNTED. CONTRACTOR TO CONFIRM IF B10 MOUNTING BRACKET IS REQUIRED.
UH-11	275 - SERVER ROOM	WALL OR CEILING MOUNT	350	1	3	208	1	1'-2"	1'-4"	7 1/2"	27 lbs	BERKO	HUHA320	COORDINATE WITH ARCHITECT IF UNIT HEATER IS TO BE CEILING HUNG OR WALL MOUNTED. CONTRACTOR TO CONFIRM IF B10 MOUNTING BRACKET IS REQUIRED.